

ABSTRACT

CONNECTION MEANS FOR SETTING UP AN ELECTRICAL CONNECTION
BETWEEN A CELL, PARTICULARLY A LIQUID CRYSTAL CELL, AND A POWER
OR CONTROL CIRCUIT

The present invention concerns an electro-optical cell, in particular a liquid crystal display cell (2), or an electrochemical photovoltaic cell, including in particular a first transparent front substrate (4) and a second back substrate (6) which may or may not be transparent, said substrates (4, 6) being joined by a sealing frame that defines
5 a volume (8) for retaining a sensitive material whose physical properties, particularly optical, or electrical properties are capable of changing, said substrates (4, 6) including on their faces opposite each other at least one electrode (14, 16), these electrodes (14, 16) being intended to be connected to an electrical power or control circuit, said cell (2) being characterised in that the sealing frame includes at least one
10 wall (12) structured on one of the two substrates (4, 6) and which defines via its inner lateral face the volume (8) for retaining the sensitive material, the substrates (4, 6) being joined by a sealing frame (30), which occupies at least part of the gap (28) defined by said two substrates (4, 6) and the external lateral face of the wall (12), and in that the electrodes (14, 16) include contact bumps (20) made of an electrically
15 conductive material added onto the extension of each electrode (14, 16) at the place where the latter emerges from the wall (12), so as to increase the surface of the lateral electrical contact zone via which each electrode (4, 6) of the cell (2) is connected to the electrical power or control circuit.

20 Figure 2